

L Number	Hits	Search Text	DB	Time stamp
1	47	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.	USPAT	2004/07/06 09:01
2	0	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and Dcp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:56
3	0	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and dcp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:56

4	27	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and (dcp or (data near5 protocol))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:57
5	9	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and (dcp or (data near5 protocol))) and (translat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:57
6	12	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and (first near5 protocol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 09:04
7	1		USPAT	2004/07/06 09:03
8	1		USPAT	2004/07/06 09:03

9	2896	protocol near5 transla\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 09:05
10	59	(protocol near5 transla\$3) and (stream near5 translat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 09:05
11	18	((protocol near5 transla\$3) and (stream near5 translat\$3)) and (stor\$3 near5 buffer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 09:06

09931180_WDS

09/931180
PLUS
Search

abstract 1
accordance 2
according 2
accordingly 1
adding 1
addition 1
additional 1
algorithms 1
allow 2
allows 1
also 2
america 1
an 5
analog 1
and 26
another 2
appletalk 1
are 1
as 2
aspect 1
assistance 1
audio 1
background 1
based 1
be 10
been 2
between 6
both 1
brief 1
buffer 4
business 1
by 5
can 1
capable 1
case 1
cases 1
certain 1
communicate 2
communication 52
communications 3
company 1
compatible 4
competent 1
comprising 2
computer 16
computers 10
connectors 1
context 1

continues 1
 control 1
 conversion 8
 converts 2
 couple 1
 coupled 1
 customers 1
 data 7
 demarcation 1
 description 2
 detailed 1
 determining 2
 device 5
 devices 1
 diagram 1
 different 7
 digital 2
 disparate 2
 do 1
 drawings 2
 dynamically 2
 embodiment 1
 enterprise 1
 etc 2
 example 3
 exemplary 1
 explained 1
 extract 2
 facilitate 1
 facilitating 1
 field 1
 figure 4
 first 31
 for 21
 from 7
 functionality 1
 gateway 7
 generally 1
 has 2
 have 1
 however 1
 ib 1
 if 1
 illustrates 1
 in 18
 include 1
 incompatible 6
 incorporating 1

increase 1
increased 2
initiating 2
install 1
installation 2
installed 3
intelligent 4
intercepts 2
internet 2
into 5
introduced 1
invention 9
ip 1
is 22
it 8
its 2
itself 1
known 1
large 1
lfr 1
limited 2
local 6
made 1
maintenance 1
many 1
may 9
means 8
mechanism 1
media 1
method 2
microsoft 1
more 1
mpeg 1
must 2
mutually 1
necessary 1
need 1
network 16
networks 9
north 1
not 1
now 2
ntsc 1
number 3
of 31
on 9
once 1
one 2

operating 3
or 1
order 2
originating 1
other 2
over 2
own 1
part 3
particularly 2
performs 1
personnel 1
physical 1
player 2
point 1
preferable 1
preferred 1
present 5
primarily 1
problem 1
products 1
programs 1
proliferation 1
proprietary 1
protocol 35
protocols 10
provide 2
provides 2
public 1
purely 1
rapidly 1
real 1
received 1
receiving 2
recent 1
recently 1
reference 2
relates 2
relation 1
remote 4
require 3
requires 1
retrieving 2
said 18
samba 1
schematic 2
second 14
server 2
shown 1

signal 4
signals 1
similarly 2
simple 1
so 2
solution 1
solving 1
some 1
standard 2
standards 2
storing 2
stream 6
streaming 1
such 1
summary 1
support 1
system 6
systems 1
tasks 2
tcp 1
technical 1
telecommunications 1
television 1
that 5
the 47
their 1
them 1
there 1
therefore 1
these 1
third 2
this 6
through 1
title 1
to 24
traditional 1
transfer 1
translating 5
translator 2
transmitted 2
two 4
type 1
udp 1
under 1
understood 1
unix 1
updating 1
use 7

09931180_WDS

used 5
uses 1
using 3
utilities 3
utility 6
utilized 1
utilizes 3
utilizing 4
variety 1
various 1
video 4
way 1
well 1
were 1
where 1
which 16
while 1
will 1
windows 3
with 16
years 1

09931180_EAST

(4843605
5828835
6026097
5195093
5270972
5333134
5414740
5448558
5471488
5491824
5493694
5606666
5664223
5748612
5784370
5796739
5917831
5918073
5930525
5978562
6005901
6061410
6061410
6172983
6201796
6212225
6215783
6212225
6215783
4261035
4523310
4577314
4763318
4763323
4823312
4827473
4839640
4855905
4866421
4876681
4896262
4910506
4918597
4989135
5222062
5224100
5226040
5228083

5235595
5241660) .pn.

09931180_EAST

09931180_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 09931180 on July 01, 2004

Original Classifications

3 375/371
2 340/825.52
2 370/353
2 370/408
2 375/220
2 710/22

Cross-Reference Classifications

4 370/503
4 370/516
3 340/825.5
3 341/123
3 341/50
3 341/61
3 375/355
3 375/372
2 370/292
2 370/545
2 375/229
2 375/231
2 375/346
2 379/93.15
2 708/290
2 708/300
2 708/313
2 710/52
2 710/57

Combined Classifications

4 370/503
4 370/516
4 375/355
4 375/371
3 340/825.5
3 341/123
3 341/50
3 341/61
3 375/372
3 710/52
2 340/825.52
2 370/292
2 370/353
2 370/408

09931180_CLS

2 370/468
2 370/545
2 375/220
2 375/229
2 375/231
2 375/346
2 379/93.15
2 708/290
2 708/300
2 708/313
2 709/246
2 710/22
2 710/57
2 710/71

80

PLUS Search Results for S/N 09931180, Searched July 01, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are

most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

4843605
5828835
6026097
5195093
5270972
5333134
5414740
5448558
5471488
5491824
5493694
5606666
5664223
5748612
5784370
5796739
5917831
5918073
5930525
5978562
6005901
6061410
6061410
6172983
6201796
6212225
6215783
6212225
6215783
4261035
4523310
4577314
4763318
4763323
4823312

09931180_LIST

4827473
4839640
4855905
4866421
4876681
4896262
4910506
4918597
4989135
5222062
5224100
5226040
5228083
5235595
5241660

09931180_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09931180 on July 01, 2004

4 370/503 (0 OR, 4 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/498 .Combining or distributing information via time
 channels
 370/503 ..Synchronizing

4 370/516 (0 OR, 4 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/498 .Combining or distributing information via time
 channels
 370/503 ..Synchronizing
 370/516 ...Adjusting for phase or jitter

4 375/355 (1 OR, 3 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/355 .Synchronizing the sampling time of digital
 data

4 375/371 (3 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction

3 340/825.5 (0 OR, 3 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.5 .Lockout or priority (programmed or variable)

3 341/123 (0 OR, 3 XR)
 Class 341 : CODED DATA GENERATION OR CONVERSION
 341/122 SAMPLE AND HOLD
 341/123 .Having variable sampling rate

3 341/50 (0 OR, 3 XR)

09931180 CLSTITLES

Class	341	:	CODED DATA GENERATION OR CONVERSION
341/50			DIGITAL CODE TO DIGITAL CODE CONVERTERS
3	341/61	(0 OR, 3 XR)	
Class	341	:	CODED DATA GENERATION OR CONVERSION
341/50			DIGITAL CODE TO DIGITAL CODE CONVERTERS
341/61			.Data rate conversion
3	375/372	(0 OR, 3 XR)	
Class	375	:	PULSE OR DIGITAL COMMUNICATIONS
375/354			SYNCHRONIZERS
375/371			.Phase displacement, slip or jitter correction
	375/372		..Elastic buffer
3	710/52	(1 OR, 2 XR)	
Class	710	:	ELECTRICAL COMPUTERS AND DIGITAL DATA
			PROCESSING SYSTEMS: INPUT/OUTPUT
710/1			INPUT/OUTPUT DATA PROCESSING
710/52			.Input/Output data buffering
2	340/825.52	(2 OR, 0 XR)	
Class	340	:	COMMUNICATIONS: ELECTRICAL
340/825			SELECTIVE
340/825.52			.Addressing
2	370/292	(0 OR, 2 XR)	
Class	370	:	MULTIPLEX COMMUNICATIONS
370/276			DUPLEX
370/282			.Transmit/receive interaction control
370/286			..Echo suppression or cancellation
370/292			...Using a training sequence
2	370/353	(2 OR, 0 XR)	
Class	370	:	MULTIPLEX COMMUNICATIONS
370/351			PATHFINDING OR ROUTING
370/352			.Combined circuit switching and packet
			switching
370/353			..Switching network having common elements to
			handle both circuit switched traffic and pa
cket switched			traffic
2	370/408	(2 OR, 0 XR)	
Class	370	:	MULTIPLEX COMMUNICATIONS
370/351			PATHFINDING OR ROUTING
370/389			.Switching a message which includes an address
			header

09931180_CLSTITLES

370/400 ..Having a plurality of nodes performing
distributed switching
370/408 ...Nodes interconnected in hierarchy to form a
tree

2 370/468 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/464 COMMUNICATION TECHNIQUES FOR INFORMATION
CARRIED IN PLURAL CHANNELS
370/465 .Adaptive
370/468 ..Assignment of variable bandwidth or time
period for transmission or reception

2 370/545 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/498 .Combining or distributing information via tim
e
channels
370/545 ..Conversion of rate from a single input to a
single output

2 375/220 (2 OR, 0 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/219 TRANSCEIVERS
375/220 .Transmission interface between two stations o
r
terminals

2 375/229 (0 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/229 EQUALIZERS

2 375/231 (0 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/229 EQUALIZERS
375/230 .Automatic
375/231 ..Training period or initial set up

2 375/346 (0 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/316 RECEIVERS
375/346 .Interference or noise reduction

2 379/93.15 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE

09931180_CLSTITLES

ELECTRICAL SYSTEM OR SIGNALLING (E.G., C

OMPOSITE)

379/93.01 .Having transmission of a digital message
signal over a telephone line
379/93.14 ..Having switching station
379/93.15 ...Having format conversion

2 708/290 (0 OR, 2 XR)

Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
AND CALCULATING

708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER

708/200 .Particular function performed

708/290 ..Interpolation/extrapolation

2 708/300 (0 OR, 2 XR)

Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
AND CALCULATING

708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER

708/200 .Particular function performed

708/300 ..Filtering

2 708/313 (0 OR, 2 XR)

Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
AND CALCULATING

708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER

708/200 .Particular function performed

708/300 ..Filtering

708/313 ...Decimation/interpolation

2 709/246 (1 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/246 .Computer-to-computer data modifying

2 710/22 (2 OR, 0 XR)

Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
PROCESSING SYSTEMS: INPUT/OUTPUT

710/1 INPUT/OUTPUT DATA PROCESSING

710/22 .Direct Memory Accessing (DMA)

2 710/57 (0 OR, 2 XR)

Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
PROCESSING SYSTEMS: INPUT/OUTPUT

710/1 INPUT/OUTPUT DATA PROCESSING

710/52 .Input/Output data buffering

710/57 ..Fullness indication

09931180_CLSTITLES

2 710/71 (1 OR, 1 XR)
Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
PROCESSING SYSTEMS: INPUT/OUTPUT
710/1 INPUT/OUTPUT DATA PROCESSING
710/62 .Peripheral adapting
710/65 ..Input/Output data modification
710/71 ...Serial-to-parallel or parallel-to-serial

09931180_WEST

(4843605 5828835 6026097 5195093 5270972 5333134 5414740 5448558 54714
88 5491824 5493694 5606666 5664223 5748612 5784370 5796739 5917831 591
8073 5930525 5978562 6005901 6061410 6061410 6172983 6201796 6212225 6
215783 6212225 6215783 4261035 4523310 4577314 4763318 4763323 4823312
4827473 4839640 4855905 4866421 4876681 4896262 4910506 4918597 49891
35 5222062 5224100 5226040 5228083 5235595 5241660).pn.

09931180_QUAL

4843605 99
5828835 99
6026097 99
5195093 99
5270972 99
5333134 99
5414740 99
5448558 99
5471488 99
5491824 99
5493694 99
5606666 99
5664223 99
5748612 99
5784370 99
5796739 99
5917831 99
5918073 99
5930525 99
5978562 99
6005901 99
6061410 99
6061410 99
6172983 99
6201796 99
6212225 99
6215783 99
6212225 99
6215783 99
4261035 99
4523310 99
4577314 99
4763318 99
4763323 99
4823312 99
4827473 99
4839640 99
4855905 99
4866421 99
4876681 99
4896262 99
4910506 99
4918597 99

5222062 99
5224100 99
5226040 99
5228083 99

09931180_QUAL

5235595 99
5241660 99